Customer No. 24498
Docket No. INVTEL04001
Office Action Date: 12/10/2009

Listing of the Claims

1. (previously presented) Local radio communication device comprising at least:

- one IP point of access adapted to communicate at least outwards from the network in IP mode,
- a point-to-point communication module adapted to communicate at least with a terminal according to at least one point-to-point communication protocol,
- and a first interface adapted to allow the IP access point to communicate with the point-to-point communication module wherein the first interface is adapted to be presented to an electronic device communicating in IP mode with the IP access point, in the form of at least one virtual port and the said first interface is adapted to be controlled by the said electronic device by means of control instructions.

2. (previously presented) Local radiocommunication device according to claim 1, wherein the point-to-point communication module is adapted to communicate with the terminal by a serial radio link.

3. (previously presented) Local radiocommunication device according to claim 2, wherein the point-to-point communication module is adapted for communicating with the terminal according to the "BLUETOOTH" protocol by using a predefined serial port profile in the said "BLUETOOTH" protocol.

4. (previously presented) Local radiocommunication device according to claim 1, wherein the IP access point is connected to the Internet network.

5. (previously presented) Local radiocommunication device according to claim 4, wherein the IP access point comprises an ADSL interface suitable for access to the Internet network.

6. (previously presented) Local radiocommunication device according to claim 1, wherein the IP access point-communicates with a local electronic device in IP mode.

7. (previously presented) Local radiocommunication device according to claim 6, wherein the IP access point communicates in IP mode with the local electronic device by radio channels according to the standard IEEE 802.11.

8. (previously presented) Local radiocommunication device according to claim 6, wherein the IP access point communicates in IP mode with the local electronic device by a link chosen between a USB link and an Ethernet link.

9. (previously presented) Local radiocommunication according to claim 6 comprising, moreover, the said electronic device and wherein the electronic device is adapted to be connected to a predetermined IP address corresponding to the said access point during the opening of the said virtual serial link, and thus to control the said first interface by the "AT" instructions.

10. (previously presented) Local radiocommunication device according to claim 6, wherein the first interface is adapted to be presented to the electronic device communicating with the IP access point, in the form of several virtual serial ports corresponding respectively to several terminals adapted to communicate by radio with the point-to-point communication module.

11. (previously presented) Local radiocommunication device according to claim 6, wherein the first interface is adapted to:

- indicate, to an electronic device communicating with the IP access point, several terminals with which the said point-to-point communication module can communicate,
- and route the communications between the electronic device and the said terminals according to commands received from the said electronic device communicating with the IP access point.

12. (previously presented) Local radiocommunication device according to claim 11, wherein the terminals indicated by the first interface to the electronic device communicating with the IP access point, are predetermined terminals, recognized in advance by the said interface.

13. (previously presented) Local radiocommunication device according to claim 6,wherein the first interface communicates in IP mode with at least one electronic device by the IP access point, this electronic device being adapted to provide at least one function, and the point-to-point communication module is adapted to be presented to the terminal as a device providing the said function (printer, computer, website, etc.).

14. (previously presented) Local radiocommunication device according to claim 13, wherein the point-to-point communication module is adapted to be presented to the terminal as several devices providing several functions.

15. (previously presented) Local radiocommunication device according to claim 14, wherein the point-to-point communication module communicates with the said terminal according to the "BLUETOOTH" protocol and is adapted to identify itself in "BLUETOOTH" mode like the said several devices.

16. (previously presented) Local radiocommunication device according to claim 13, wherein the point-to-point communication module is adapted to be presented to the terminal at least like a printer, and to route the data to be printed, received from the terminal, to a printer that communicates in IP mode with the IP access point.

17. (previously presented) Local radiocommunication device according to claim 13, wherein the point-to-point communication module is adapted to be presented to the terminal at least like a serial port, and to route a communication initiated by the terminal, to an electronic device that communicates in IP mode with the IP access point.

18. (previously presented) Local radiocommunication device according to claim 17, wherein the terminal is a personal digital assistant, the electronic device is a computer communicating locally in IP mode with the IP access point, the digital assistant and the computer being adapted to mutually update predetermined files according to data contained in the said digital assistant and data contained in the said computer.

19. (previously presented) Local radiocommunication device according to claim 17 wherein the first interface is adapted to:

- indicate, at least to the terminal, the entities with which the said terminal can communicate in IP mode by means of the said IP access point,
- and route at least some communications between the said terminal and the said entities according to commands received from the said terminal.

20. (previously presented) Local radiocommunication device according to claim 17, wherein the first interface is adapted to route at least some communications initiated by the said terminal automatically towards a predetermined entity.

21. (previously presented) Local radiocommunication device according to claim 17, wherein the first interface is adapted to transfer, according to the "OBEX" protocol, objects between an entity communicating in IP mode with the IP access point, on the one hand, and the said terminal on the other.

22. (previously presented) Local radiocommunication device according to claim 17, wherein the first interface is adapted to transfer, on request, the objects of the terminal between the said terminal and a predetermined storage entity.

23. (previously presented) Local radiocommunication device according to claim 17, wherein the first interface is adapted to transfer, on request, the objects of an electronic device communicating in IP mode with the IP access point between the said terminal and the said electronic device communicating with the IP access point.

24. (previously presented) Local radiocommunication device according to claim 17, wherein the point-to-point communication module, the first interface and the IP access point are combined in an Internet communication terminal.

25. (previously presented) Local radiocommunication device according to claim 17, wherein the said virtual port is a serial port.

26. (previously presented) Local radiocommunication device according to claim 17, wherein the said control instructions are instructions of the "AT" type.